

0240 3/86

TEAM 4

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/805,813

DATE: 04/10/97
TIME: 12:06:35

INPUT SET: S16889.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

1 SEQUENCE LISTING
2

3 (1) General Information:

4
5 (i) APPLICANT: Mitsuhashi, Ichiro
6 Ohshima, Masahiro
7 Ohashi, Yuko

8
9 (ii) TITLE OF INVENTION: Pathogen-Resistant Plants and Method for
10 Production Thereof

11 (iii) NUMBER OF SEQUENCES: 19

12 (iv) CORRESPONDENCE ADDRESS:

13
14 (A) ADDRESSEE: Townsend and Townsend and Crew LLP
15 (B) STREET: Two Embarcadero Center, Eighth Floor
16 (C) CITY: San Francisco
17 (D) STATE: California
18 (E) COUNTRY: USA
19 (F) ZIP: 94111-3834

20 (v) COMPUTER READABLE FORM:

21
22 (A) MEDIUM TYPE: Floppy disk
23 (B) COMPUTER: IBM PC compatible
24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

26 (vi) CURRENT APPLICATION DATA:

27
28 (A) APPLICATION NUMBER: US Not yet assigned
29 (B) FILING DATE: Not yet assigned
30 (C) CLASSIFICATION:

31 (vii) PRIOR APPLICATION DATA:

32
33 (A) APPLICATION NUMBER: JP 8-068809
34 (B) FILING DATE: 25-MAR-1996

35 (vii) PRIOR APPLICATION DATA:

36
37 (A) APPLICATION NUMBER: JP 8-187763
38 (B) FILING DATE: 17-JUL-1996

39 (viii) ATTORNEY/AGENT INFORMATION:

40
41 (A) NAME: Bastian, Kevin L.
42 (B) REGISTRATION NUMBER: 34,774
43 (C) REFERENCE/DOCKET NUMBER: 85760-000000

44 (ix) TELECOMMUNICATION INFORMATION:

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6-14 24 1991
GROUP 1800

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47 (A) TELEPHONE: (415) 576-0200
48 (B) TELEFAX: (415) 576-0300

49
50
51 (2) INFORMATION FOR SEQ ID NO:1:

52
53 (i) SEQUENCE CHARACTERISTICS:
54 (A) LENGTH: 32 base pairs
55 (B) TYPE: nucleic acid
56 (C) STRANDEDNESS: single
57 (D) TOPOLOGY: linear

58
59 (ii) MOLECULE TYPE: DNA

60
61
62 (ix) FEATURE:
63 (A) NAME/KEY: -
64 (B) LOCATION: 1..32
65 (D) OTHER INFORMATION: /note= "PR-1a51 primer"

66
67
68 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

69
70 AGTAGAACATT TTAAACACCC CTCGAGGATT TC

32

71
72
73 (2) INFORMATION FOR SEQ ID NO:2:

74
75 (i) SEQUENCE CHARACTERISTICS:
76 (A) LENGTH: 23 base pairs
77 (B) TYPE: nucleic acid
78 (C) STRANDEDNESS: single
79 (D) TOPOLOGY: linear

80
81 (ii) MOLECULE TYPE: DNA

82
83
84 (ix) FEATURE:
85 (A) NAME/KEY: -
86 (B) LOCATION: 1..23
87 (D) OTHER INFORMATION: /note= "SPR-1a31 primer"

88
89
90 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

91
92 GGGCTCTGCA GGAGTGGGAT ATT

23

93
94
95 (2) INFORMATION FOR SEQ ID NO:3:

96
97 (i) SEQUENCE CHARACTERISTICS:
98 (A) LENGTH: 43 base pairs
99 (B) TYPE: nucleic acid

**RAW SEQUENCE LISTING
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100 (C) STRANDEDNESS: single
101 (D) TOPOLOGY: linear
102
103 (ii) MOLECULE TYPE: DNA
104
105
106 (ix) FEATURE:
107 (A) NAME/KEY: -
108 (B) LOCATION: 1..43
109 (D) OTHER INFORMATION: /note= "TPR-1a51 primer"
110
111
112 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
113
114 ACAGCACGTG GTTAATTGAG CTCGAAACGA CCTACGTCCA TTC 43
115
116
117 (2) INFORMATION FOR SEQ ID NO:4:
118
119 (i) SEQUENCE CHARACTERISTICS:
120 (A) LENGTH: 21 base pairs
121 (B) TYPE: nucleic acid
122 (C) STRANDEDNESS: single
123 (D) TOPOLOGY: linear
124
125 (ii) MOLECULE TYPE: DNA
126
127
128 (ix) FEATURE:
129 (A) NAME/KEY: -
130 (B) LOCATION: 1..21
131 (D) OTHER INFORMATION: /note= "BKSBE primer"
132
133
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
135
136 TCCCCCGGGC TGCAGGAATT C 21
137
138
139 (2) INFORMATION FOR SEQ ID NO:5:
140
141 (i) SEQUENCE CHARACTERISTICS:
142 (A) LENGTH: 72 base pairs
143 (B) TYPE: nucleic acid
144 (C) STRANDEDNESS: single
145 (D) TOPOLOGY: linear
146
147 (ii) MOLECULE TYPE: DNA
148
149
150 (ix) FEATURE:
151 (A) NAME/KEY: -
152 (B) LOCATION: 1..72

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153 (D) OTHER INFORMATION: /note= "HMPR-1a51 primer"

154

155

156 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

157

158 TACACACGTG GTCCCACACC TACACCCCC ACCCCACCCG GTGGTGGGCA AAATTCTCAA 60

159

160 CAAGACTATT TG 72

161

162

163 (2) INFORMATION FOR SEQ ID NO:6:

164

165 (i) SEQUENCE CHARACTERISTICS:

166 (A) LENGTH: 30 base pairs

167 (B) TYPE: nucleic acid

168 (C) STRANDEDNESS: single

169 (D) TOPOLOGY: linear

170

171 (ii) MOLECULE TYPE: DNA

172

173

174 (ix) FEATURE:

175 (A) NAME/KEY: -

176 (B) LOCATION: 1..30

177 (D) OTHER INFORMATION: /note= "MPR-1a31 primer"

178

179

180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

181

182 TATCGAGCTC AATTAGTATG GACTTTGCC 30

183

184

185 (2) INFORMATION FOR SEQ ID NO:7:

186

187 (i) SEQUENCE CHARACTERISTICS:

188 (A) LENGTH: 36 base pairs

189 (B) TYPE: nucleic acid

190 (C) STRANDEDNESS: single

191 (D) TOPOLOGY: linear

192

193 (ii) MOLECULE TYPE: DNA

194

195

196 (ix) FEATURE:

197 (A) NAME/KEY: -

198 (B) LOCATION: 1..36

199 (D) OTHER INFORMATION: /note= "MSARC051 primer"

200

201

202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

203

204 CACTCCTGCA GAGCCGGTTG GTTGAAAAAG ATTGGC 36

205

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/805,813**DATE: 04/10/97
TIME: 12:06:48**INPUT SET: S16889.raw**

206
207 (2) INFORMATION FOR SEQ ID NO:8:
208
209 (i) SEQUENCE CHARACTERISTICS:
210 (A) LENGTH: 33 base pairs
211 (B) TYPE: nucleic acid
212 (C) STRANDEDNESS: single
213 (D) TOPOLOGY: linear
214
215 (ii) MOLECULE TYPE: DNA
216
217
218 (ix) FEATURE:
219 (A) NAME/KEY: -
220 (B) LOCATION: 1..33
221 (D) OTHER INFORMATION: /note= "MSARCO31 primer"
222
223
224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
225
226 TTTCGAGCTC AATTAACCAAC GTGCTGTAGC AGC 33
227
228
229 (2) INFORMATION FOR SEQ ID NO:9:
230
231 (i) SEQUENCE CHARACTERISTICS:
232 (A) LENGTH: 508 base pairs
233 (B) TYPE: nucleic acid
234 (C) STRANDEDNESS: single
235 (D) TOPOLOGY: linear
236
237 (ii) MOLECULE TYPE: DNA (genomic)
238
239
240 (ix) FEATURE:
241 (A) NAME/KEY: -
242 (B) LOCATION: 1..508
243 (D) OTHER INFORMATION: /note= "tobacco PR-1a terminator"
244
245
246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
247
248 TTGAAACGAC CTACGTCCAT TTCACGTTAA TATGTATGGA TTGTTCTGCT TGATATCAAG 60
249
250 AACTTAAATA ATTGCTCTAA AAAGCAACTT AAAGTCAAGT ATATAGTAAT AGTACTATAT 120
251
252 TTGTAATCCT CTGAAGTGG A TCTATAAAAA GACCAAGTGG TCATAATTAA GGGGAAAAAT 180
253
254 ATGAGTTGAT GATCAGCTTG ATGTATGATC TGATATTATT ATGAAACAGCG TTTTGTACTC 240
255
256 ATACGAATCA TGTGTTGATG GTCTAGCTAC TTGCGATATT ACGAGCAAAA TTCTTAACTA 300
257
258 CATGCCCTAG GAACAAGCTT ACACAGTTCA TATAATCTAC TAGAGGGCCA AAAACATGAA 360

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**SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/805,813**

DATE: 04/10/97
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Line	Error	Original Text
29	Wrong application Serial Number	(A) APPLICATION NUMBER: US Not yet assigned